



7/30/04

I.P.A. 2134/17

Customer No.: 07278

Docket No.: 08223/000S102-US0

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Brad Kollmyer et al.

Serial No.: 09/656,166

Filed: September 6, 2000

For: APPARATUS, SYSTEM AND METHOD FOR SELECTIVELY ENCRYPTING
DIFFERENT PORTIONS OF DATA SENT OVER A NETWORK

July 27, 2004

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. 1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 C.F.R. 1.97, as it is filed: (Check one of the boxes A-D)

- A. Within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.
- B. before the mailing date of a first office action on the merits, or a first office action after filing a request for continued examination.
- C. after (A) and (B) above, but before the mailing date of a final rejection, a notice of allowance, or any other action that closes prosecution, and Applicants have made

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the necessary statement in box "i" below or paid the necessary fee in box "ii" below.

(check one of the boxes "i" and "ii" below:)

i. Counsel states that, upon information and belief, each item of information listed herein was either (a) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.

ii. A check for the fee set forth in 1.17(p), presently believed to be \$180, is enclosed.

D. after (A), (B) and (C) above, but before payment of the issue fee: Counsel states that, upon information and belief, each item of information listed herein was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the IDS; or (ii) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.

i. A check for the fee set forth in 1.17 (p), presently believed to be \$180, is enclosed.

2. In accordance with 37 C.F.R. 1.98, this IDS includes a list (e.g., form PTO/SB/08) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

(check boxes A, B and/or C and fill in blanks, if appropriate.).

A. Pursuant to the Notice issued by the United States Patent and Trademark Office dated July 11, 2003 waiving the requirements of 37 C.F.R. § 1.98(a)(2)(i), a copy/copies of the United States Patent on PTO/SB08 is/are not being submitted.

B. Document(s) _____ is (are) deemed substantially cumulative to document(s) _____, and, in accordance with 1.98(c), only a copy of each of the latter documents is enclosed.

C. Certain documents were previously cited by or submitted to the Office in the following prior applications, which are relied upon under 35 U.S.C. 120:
[SERIAL NO. & FILING DATE].

Applicant identifies these documents by attaching hereto copies of the forms PTO-892 and PTO/SB08 from the files of the prior application(s) or a fresh PTO/SB/08 listing these documents, and request that they be considered and made of record in accordance with 1.98(d). Per 37 CFR 1.98(d), copies of these documents need not be filed in this application.

[] 3. Document(s) _____ are not in the English language. In accordance with 1.98(c), Applicant states:

- [] An English translation of each document (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application is enclosed.
- [] A concise explanation of the relevance of document(s) _____ is found in the attached search report (see MPEP § 609 A(3)x).
- [] A concise explanation of the relevance of document(s) _____ is set forth as follows: [Insert concise explanation of relevance]
- [] A concise explanation of the relevance of document(s) _____ can be found on page(s) _____ of the specification.
- [] A concise explanation of document(s) _____ can be found on the attached sheet.

[] 4. No explanation of relevance is necessary for documents in the English language (see MPEP § 609 A(3)).

[] 5. Other information being provided for the examiner's consideration follows: [A/An _____ Search Report, dated _____, which issued during the prosecution of _____ Application No. _____ which corresponds to the present application.]

6. In accordance with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless other-wise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

CROSS REFERENCE UNDER 37 C.F.R. §1.78 TO RELATED APPLICATIONS

Pursuant to 37 C.F.R. § 1.78, Applicant notes that the above-identified patent application may be related to the following U.S. Patent Applications:

(1) U.S. Patent Application Serial No _____, filed _____.

Early and favorable consideration is earnestly solicited.

Respectfully submitted,

 *Marie L. Collazo*
(53,970)

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July 27, 2004

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Substitute for form 1449A/B/PTO				Complete If Known	
				Application Number	09/656,166
				Filing Date	September 6, 2000
				First Named Inventor	Brad Kollmyer
				Art Unit	2134
				Examiner Name	A. L. Nalven
Sheet	1	of	3	Attorney Docket Number	08223/000S102-US0

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
1		US-5,144,663-B1	09-01-1992	Kudelski et al.	
2		US-5,539,450-B1	07-23-1996	Kudelski et al.	
3		US-5,592,212-B1	01-07-1997	Handelman	
4		US-5,666,412-B1	09-09-1997	Handelman et al.	
5		US-5,774,546-B1	06-30-1998	Handelman et al.	
6		US-5,805,705-B1	09-08-1998	Gray et al.	
7		US-5,892,900-B1	04-06-1999	Ginter et al.	
8		US-5,917,912-B1	06-29-1999	Ginter et al	
9		US-5,920,861-B1	07-06-1999	Hall et al.	
10		US-5,933,498-B1	08-03-1999	Schneck et al	
11		US-5,949,876-B1	09-07-1999	Ginter et al.	
12		US-6,009,401-B1	12-28-1999	Horstmann	
13		US-6,021,197-B1	02-01-2000	von Willich et al.	
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15		US-6,073,256-B1	06-06-2000	Sesma	
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17		US-6,185,683-B1	02-06-2001	Ginter et al.	
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22		US-6,389,402-B1	05-14-2002	Ginter et al.	
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27		US-6,654,420-B1	11-25-2003	Snook	
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45		US-6,363,488-B1	03-26-2002	Ginter et al.	
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Examiner Signature		Date Considered
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Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/656,166
(Use as many sheets as necessary)				Filing Date	September 6, 2000
				First Named Inventor	Brad Kollmyer
				Art Unit	2134
				Examiner Name	A. L. Nalven
Sheet	2	of	3	Attorney Docket Number	08223/000S102-US0

47	US-6,640,304-B1	10-28-2003	Ginter et al.	
48	US-6,668,325-B1	12-23-2003	Collberg et al.	
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50	US-6,314,572-B1	11-06-2001	LaRocca, et al.	
51	US-6,191,782-B1	02-20-2001	Mori, et al.	
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53	US-5,758,257-B1	05-26-1998	Herz, et al.	
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55	US-6,654,423-B2	11-25-2003	Jeong et al.	
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57	US-6,629,243-B1	09-30-2003	Kleinman et al.	
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82	US-5,134,656-B1	07-28-1992	Kudelski	
83	US-5,067,035-B1	11-19-1991	Kudelski et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
	84	WO-99/30499-A1	06-17-1999	Thomson Consumer Electronics, Inc.	
	85	EP-714204-B1	05-29-1996	LG Electronics, Inc.	
	86	WO-96/32702-A1	10-17-1996	Smart TV Co.	
	87	WO-99/54453-A1	10-28-1999	Henriksen, et al.	
	88	WO-96/06504-A1	02-29-1996	Chaney, et al.	
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W:1082 23/000s	Date Considered
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				Art Unit	2134
				Examiner Name	A. L. Nalven
Sheet	3	of	3	Attorney Docket Number	08223/000S102-US0

91	WO-02/21761-A2	03-14-2002	Widevine Technologies, Inc.	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	²
	92	http://www.ntt.co.jp/news/news02e/0209/020927.html , September 27, 2002.	
	93	Coverage and Generalization in an Artificial Immune System, Balthrop, et al., 2002.	
	94	Video Protection by Partial Content Corruption, C. Griwodz, September 1998.	
	95	An Overview of Multimedia Content Protection in Consumer Electronics Devices, Eskicioglu et al.,	
	96	Performance Study of a Selective Encryption Scheme for the Security of Networked, Real-Time Video, Spanos et al., 1995.	
	97	Goonatilake, Suran, ed. et al., Intelligent Systems for Finance and Business, 1995, chapters 2-10, pp. 31-173.	
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	99	System Security, Streaming Media, S. Blumenfeld, October 2001.	
	100	http://www.cs.unm.edu/~forest/projects.html , December 2, 2003.	
	101	Partial Encryption for Image and Video Communication, H. Cheng, 1998.	
	102	A Review of Video Streaming Over the Internet, Hunter et al., December 2, 2003.	
	103	Standards Track, Schulzrinne, et al., April 1998, pages 1-86.	
	104	http://www.optibase.com/html/news/December_14_2000.html , December 14, 2004.	
	105	Omneon Video Networks Product Announcement, Broadband Streaming, pages 1-4.	
	106	Yoshida, Kazuhiro, et al., "A Continuous-media Communication Method for Minimizing Playback Interruptions", IS&T/SPIE Conference on Visual Communications and Image Processing, January 1999, San Jose, California, Vol. 3653.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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Application No. (if known): 09/656,166

Attorney Docket No.: 08223/000S102-US0

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